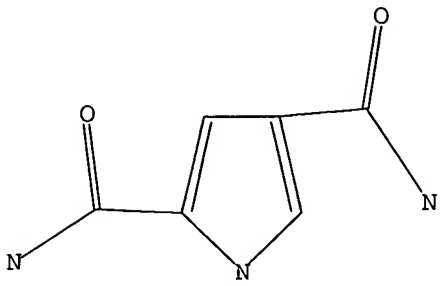
=> D
L8 HAS NO ANSWERS
L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L8
SAMPLE SEARCH INITIATED 15:25:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 114 TO ITERATE

100.0% PROCESSED 114 ITERATIONS 24 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1640 TO 2920
PROJECTED ANSWERS: 187 TO 773

L9 24 SEA SSS SAM L8

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.15	11.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

FILE 'CAPLUS' ENTERED AT 15:26:02 ON 09 JUN 2005
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FILE COVERS 1907 - 9 Jun 2005 VOL 142 ISS 24
FILE LAST UPDATED: 8 Jun 2005 (20050608/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L9
L10 9 L9

=> d ibib abs hitstr L10 1-9

L10 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:99177 CAPLUS
DOCUMENT NUMBER: 142:197868
TITLE: Preparation of derivatives of 3-hydroxypyrrole-2,4-dicarboxylic acid as antitumor agents
INVENTOR(S): Cholody, Wieslaw M.; Petukhova, Valentina; O'Brien, Sean; Ohler, Norman; Pikul, Stanislaw
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 46 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005026991	A1	20050203	US 2003-631887	20030731
WO 2005011675	A1	20050210	WO 2004-US24473	20040728

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-631887 A 20030731
OTHER SOURCE(S): MARPAT 142:197868
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

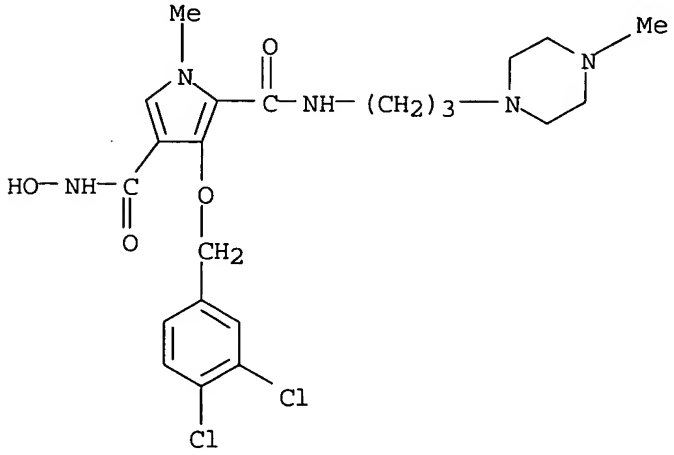
AB The title compds. I or II [R1 = H, alkyl, heteroaryl, aryl, etc.; R2 = H, alkyl, alkenyl, alkynyl, etc.; R3 = alkyl, heteroaryl; R4 = H, alkyl, heteroaryl, aryl, etc.; R3 and R4 can be connected together to form a 4-7 membered heterocycle; R5 = H, alkyl, heteroaryl, etc.; X, Y = alkyl, alkenyl, alkynyl, etc.; a, b, c = 0-1; including pharmaceutically acceptable salts thereof] that modulate levels of gene expression in cellular systems, including cancer cells (no data given), are disclosed, along with methods for preparing such agents, as well as pharmaceutical compns. containing such agents as active ingredients and methods of using these as therapeutic agents. E.g., a multi-step synthesis of III.TFA, starting from di-Et 3-hydroxy-1-methyl-1H-pyrrole-2,4-dicarboxylate, was given.

IT **837405-94-4P 837405-95-5P 837406-25-4P**
837406-37-8P 837406-48-1P 837406-67-4P
837406-89-0P 837406-92-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of derivs. of 3-hydroxypyrrole-2,4-dicarboxylic acid as antitumor agents)

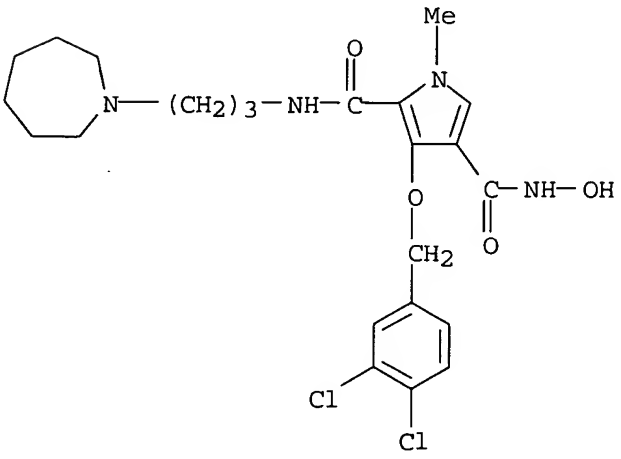
RN 837405-94-4 CAPLUS

CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(3,4-dichlorophenyl)methoxy]-N4-hydroxy-1-methyl-N2-[3-(4-methyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)



RN 837405-95-5 CAPLUS

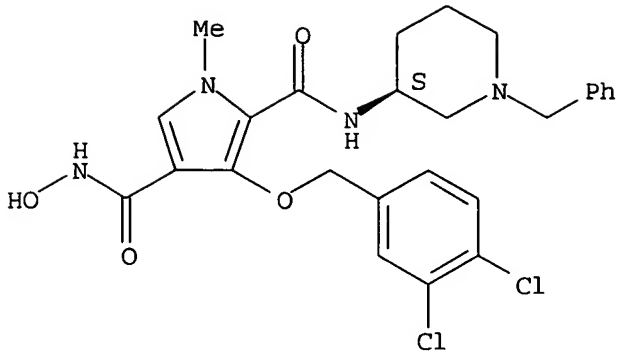
CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(3,4-dichlorophenyl)methoxy]-N2-[3-(hexahydro-1H-azepin-1-yl)propyl]-N4-hydroxy-1-methyl- (9CI) (CA INDEX NAME)



RN 837406-25-4 CAPLUS

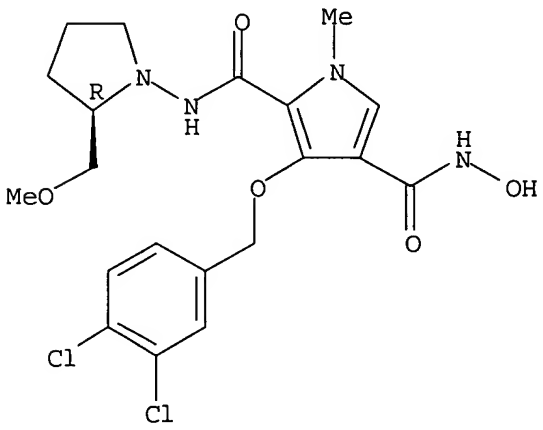
CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(3,4-dichlorophenyl)methoxy]-N4-hydroxy-1-methyl-N2-[(3S)-1-(phenylmethyl)-3-piperidinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

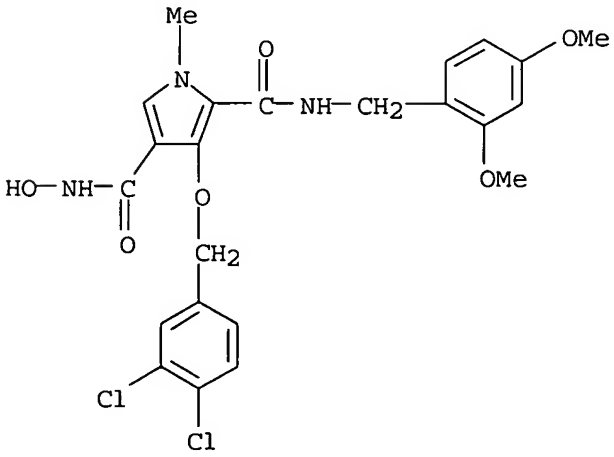


RN 837406-37-8 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(3,4-dichlorophenyl)methoxy]-N4-hydroxy-N2-[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]-1-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

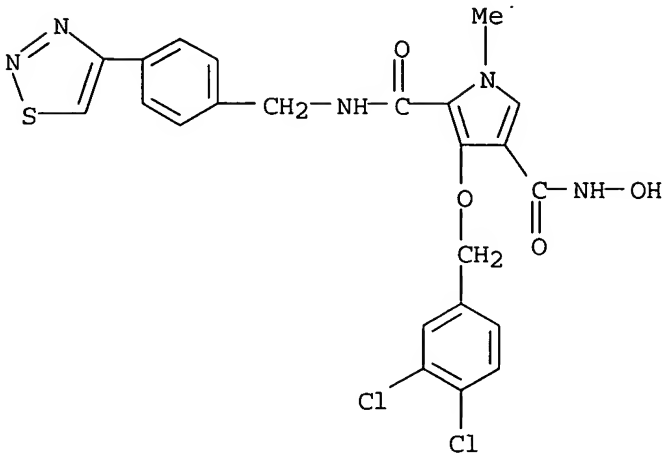


RN 837406-48-1 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(3,4-dichlorophenyl)methoxy]-N2-[(2,4-dimethoxyphenyl)methyl]-N4-hydroxy-1-methyl- (9CI) (CA INDEX NAME)

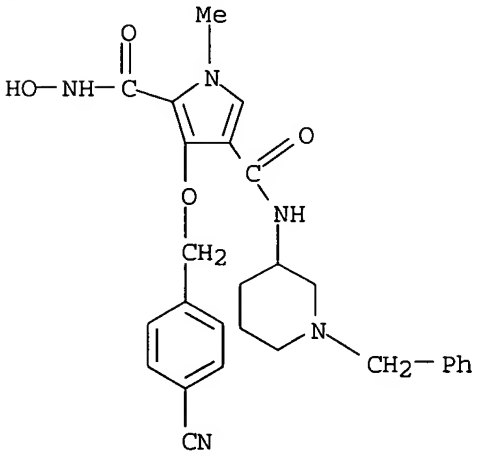


RN 837406-67-4 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(3,4-dichlorophenyl)methoxy]-N4-hydroxy-1-

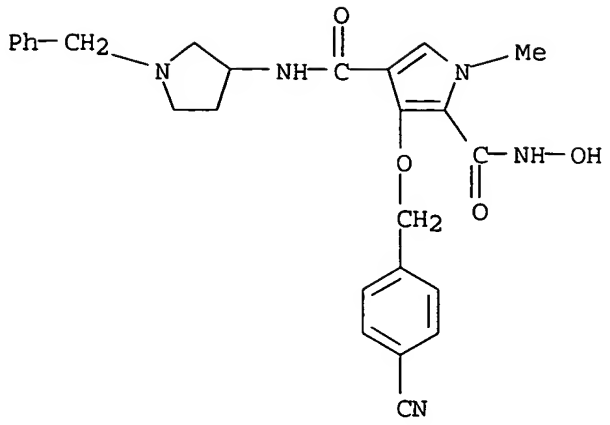
methyl-N2-[[4-(1,2,3-thiadiazol-4-yl)phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 837406-89-0 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(4-cyanophenyl)methoxy]-N2-hydroxy-1-methyl-N4-[1-(phenylmethyl)-3-piperidinyl]- (9CI) (CA INDEX NAME)



RN 837406-92-5 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, 3-[(4-cyanophenyl)methoxy]-N2-hydroxy-1-methyl-N4-[1-(phenylmethyl)-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)



L10 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:818585 CAPLUS
DOCUMENT NUMBER: 138:270349
TITLE: Methyltransferase genes in Streptomyces rishiriensis: New coumermycin derivatives from gene-inactivation experiments
AUTHOR(S): Li, Shu-Ming; Westrich, Lucia; Schmidt, Jurgen; Kuhnt, Christine; Heide, Lutz
CORPORATE SOURCE: Eberhard-Karls-Universitat Tubingen, Pharmazeutische Biologie, Auf der Morgenstelle 8, Tubingen, D-72076, Germany
SOURCE: Microbiology (Reading, United Kingdom) (2002), 148(10), 3317-3326
CODEN: MROBEO; ISSN: 1350-0872
PUBLISHER: Society for General Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The coumarin antibiotic coumermycin A1 contains at least eight Me groups, presumably derived from S-adenosylmethionine. Two putative methyltransferase genes, couO and couP, of the coumermycin A1 biosynthetic gene cluster were inactivated by in-frame deletion. In the resulting mutants, coumermycin A1 production was abolished. New coumermycin derivs. were accumulated instead, and were identified by HPLC-MS using selected reaction monitoring via electrospray ionization. CouO mutants accumulated a coumermycin derivative lacking the Me groups at C-8 of the characteristic aminocoumarin rings, whereas in the couP mutant a coumermycin derivative lacking the Me groups at the 4-hydroxyl groups of the two deoxysugar moieties was identified. These results provided evidence that couO encodes a C-methyltransferase responsible for the transfer of a Me group to C-8 of the aminocoumarin ring, and couP an O-methyltransferase for methylation of 4-OH of the sugar in the biosynthesis of coumermycin A1, resp. C-methylation of the aminocoumarin ring is considered as an early step of coumermycin biosynthesis. Nevertheless, the intermediates with the nonmethylated aminocoumarin ring were accepted by the enzymes catalyzing the subsequent steps of the pathway. The new, demethylated secondary metabolites were produced in an amount at least as high as that of coumermycin A1 in the wild-type.

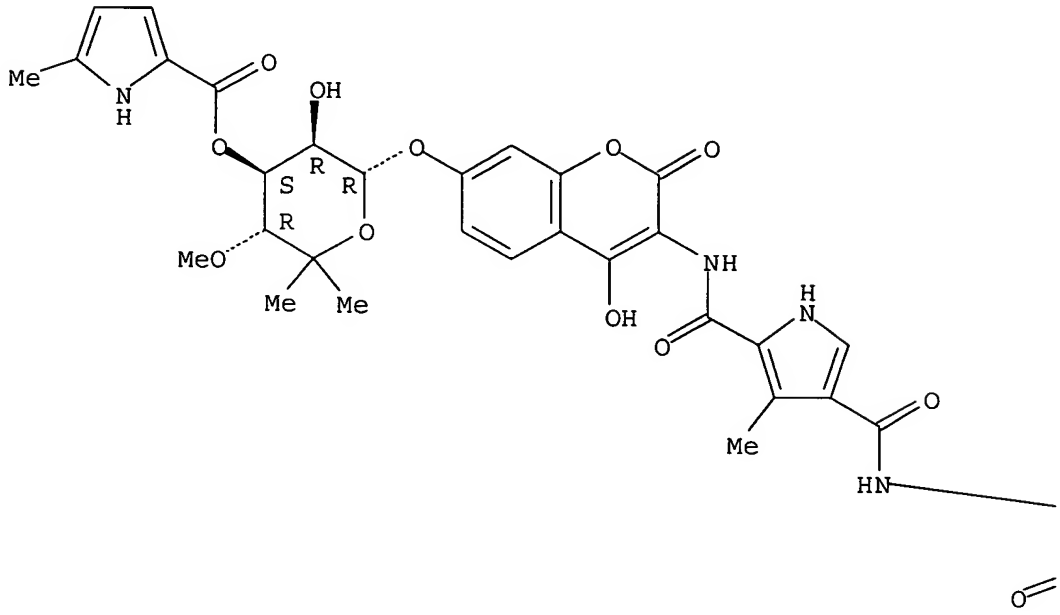
IT **481688-00-0P**, Coumermycin LW 1
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation)
(new coumermycin derivs. as a result inactivation of couP and couO methyltransferase genes in Streptomyces rishiriensis)

RN 481688-00-0 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N,N'-bis[7-[[6-deoxy-5-C-methyl-4-O-methyl-3-O-[(5-methyl-1H-pyrrol-2-yl)carbonyl]-α-L-lyxo-hexopyranosyl]oxy]-4-

hydroxy-2-oxo-2H-1-benzopyran-3-yl]-3-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



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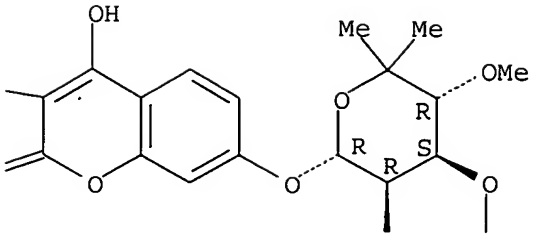
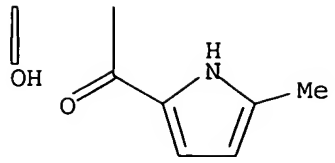




REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:850947 CAPLUS
DOCUMENT NUMBER: 136:689
TITLE: Coumermycin analogs, their preparation, and their use as chemical dimerizers of chimeric proteins
INVENTOR(S): Farrar, Michael A.; Olson, Steven H.; Perlmutter, Roger M.; Slossberg, Llnon H.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001087309	A1	20011122	WO 2001-US14870	20010508
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002095026	A1	20020718	US 2001-840260	20010423
PRIORITY APPLN. INFO.:			US 2000-203656P P	20000512

OTHER SOURCE(S): MARPAT 136:689
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Coumermycin analogs I (X = alkyl, aryl, diaryl, substituted alkyl, substituted aryl, alkyl with heteroatoms in chain, heteroaryl, cyclic and bicyclic alkyl, combination of alkyl, aryl and heteroaryl substituents). The compds. are suitable for use as chemical dimerizers of chimeric proteins. The coumermycin analogs of the invention are useful as chemical dimerizers of chimeric protein kinases or transcription factors. The analogs are capable of covalently attaching the carboxyl terminus of Raf-1 serine/threonine kinase to the amino terminus of the B subunit of bacterial DNA gyrase.

IT **374748-32-0 374748-32-0D**, esters
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(coumermycin analog preparation and use as chemical dimerizers of chimeric

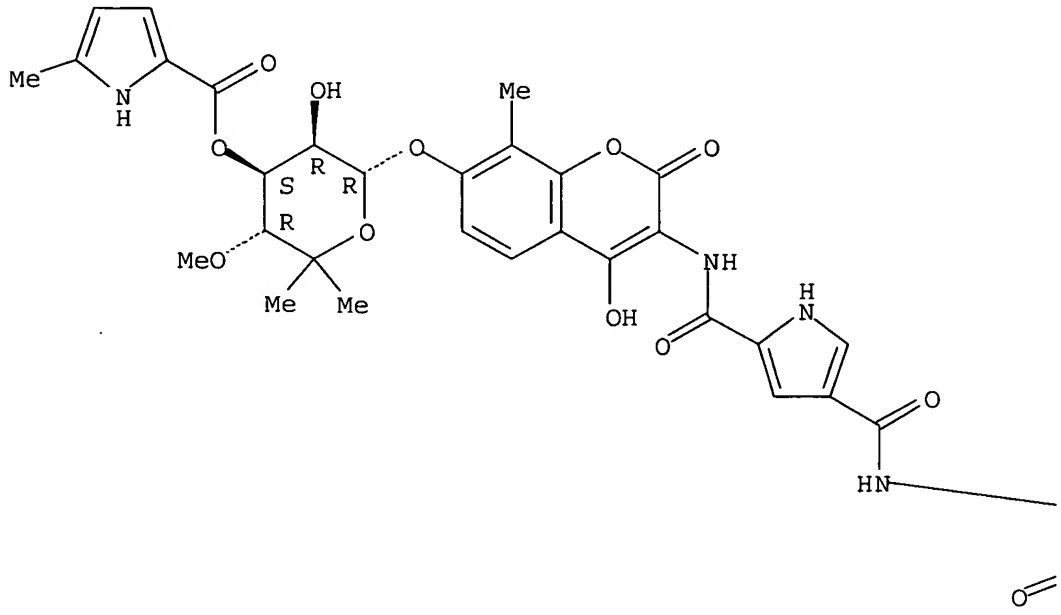
proteins)

RN 374748-32-0 CAPLUS

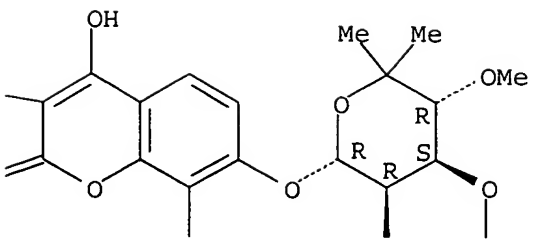
CN 1H-Pyrrole-2,4-dicarboxamide, N,N'-bis[7-[[6-deoxy-5-C-methyl-4-O-methyl-3-O-[(5-methyl-1H-pyrrol-2-yl)carbonyl]-α-L-lyxo-hexopyranosyl]oxy]-4-hydroxy-8-methyl-2-oxo-2H-1-benzopyran-3-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

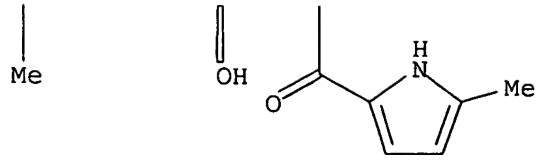
PAGE 1-A



PAGE 1-B



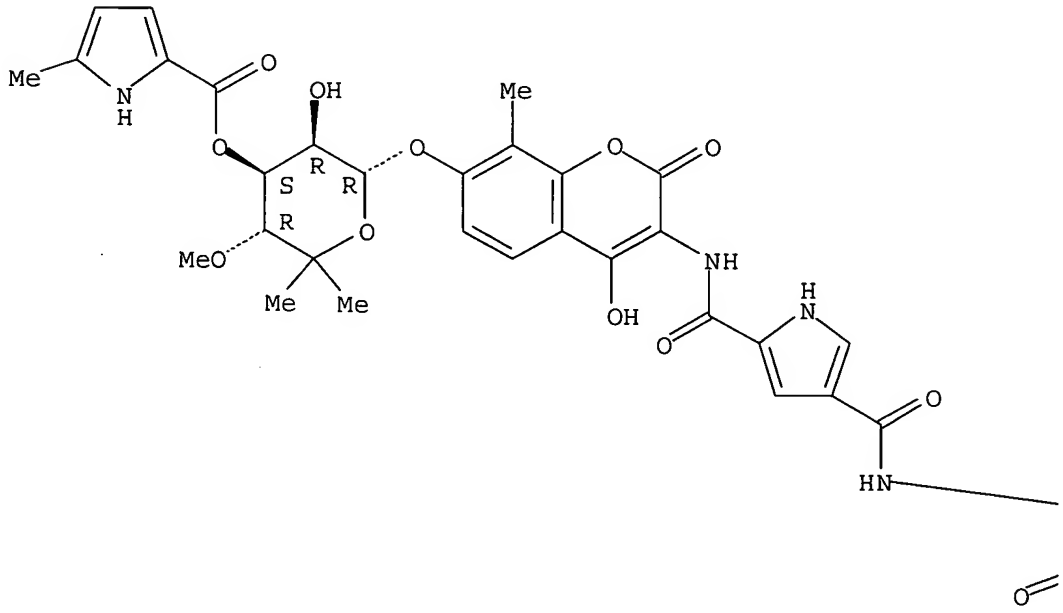
PAGE 2-B

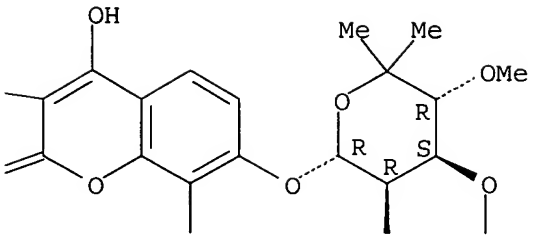


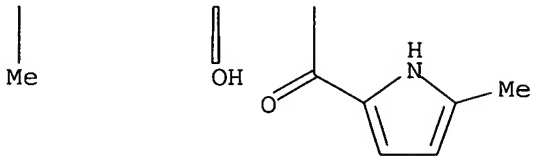
RN 374748-32-0 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N,N'-bis[7-[[6-deoxy-5-C-methyl-4-O-methyl-3-O-[(5-methyl-1H-pyrrol-2-yl)carbonyl]-α-L-lyxo-hexopyranosyl]oxy]-4-hydroxy-8-methyl-2-oxo-2H-1-benzopyran-3-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A







REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:285945 CAPLUS
DOCUMENT NUMBER: 127:30549
TITLE: Hairpin polyamides that use parallel and antiparallel side-by-side peptide motifs in binding to DNA
AUTHOR(S): Surovaya, Anna N.; Burckhardt, Gunther; Grokhovsky, Sergei L.; Birch-Hirschfeld, Eckhard; Gursky, Georgii V.; Zimmer, Christoph
CORPORATE SOURCE: Engelhardt Institute of Molecular Biology, Russian Academy of Sciences, Moscow, 117894, Russia
SOURCE: Journal of Biomolecular Structure & Dynamics (1997), 14(5), 595-606
CODEN: JBSDD6; ISSN: 0739-1102
PUBLISHER: Adenine Press
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Pt-bis-netropsin is a synthetic sequence-specific DNA-binding ligand comprising two netropsin-like fragments which are linked in a tail-to-tail manner via a cis-diammineplatinum(II) residue. The CD studies and thermodn. characterization of the DNA-binding properties exhibited by this compound reveal that it forms two types of complexes with poly[d(AT)]·poly[d(AT)] and DNA oligomers containing nucleotide sequences 5'-CC(TA)n CC-3', with n = 4, 5 and 6. The first type

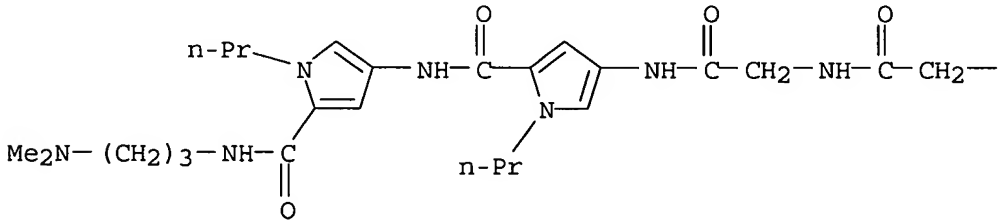
corresponds to the binding of Pt-bis-netropsin in the extended conformation and is characterized by the saturating ratio of one bound Pt-bis-netropsin mol. per 9 AT-base pairs. The second type of the complex corresponds to the binding of Pt-bis-netropsin to DNA in the folded hairpin form. The binding approaches saturation level when one Pt-bis-netropsin mol. is bound per four or five AT-base pairs. The hairpin form of Pt-bis-netropsin complex is built on the basis of parallel side-by-side peptide motif which is inserted in the minor DNA groove. The CD spectral profiles reflecting the binding of Pt-bis-netropsin in the hairpin form are different from those observed for binding of another bis-netropsin with the sequence Lys-Gly-Py-Py-Gly-Gly-Gly-Py-Py-Dp, where Py is a N-propylpyrrole amino acid residue and Dp is a dimethylaminopropylamino residue. The hairpin form of this bis-netropsin is formed on the basis of antiparallel side-by-side peptide motif. The CD spectra obtained for complexes of this polyamide in the hairpin form with poly[d(AT)]·poly[d(AT)] exhibit pos. CD band with a peak at 325 nm, whereas the CD spectral profiles for the second complex of Pt-bis-netropsin with poly[d(AT)]·poly[d(AT)] and short DNA oligomers have two intense pos. CD bands near 290 nm and 328 nm. This reflects the fact that two bis-netropsins use different structural motifs on binding to DNA in the hairpin form.

IT **190670-13-4**
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(hairpin polyamides that use parallel and antiparallel side-by-side peptide motifs in binding to DNA)

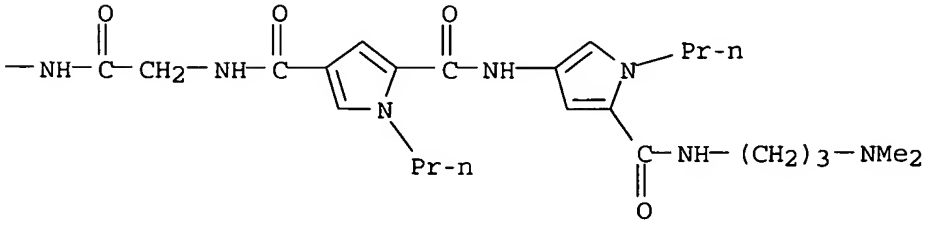
RN 190670-13-4 CAPLUS

CN Glycinamide, N-[[5-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]-1-propyl-1H-pyrrol-3-yl]amino]carbonyl]-1-propyl-1H-pyrrol-3-yl]carbonyl]glycylglycyl-N-[5-[[[5-[[[3-(dimethylamino)propyl]amino]carbonyl]-1-propyl-1H-pyrrol-3-yl]amino]carbonyl]-1-propyl-1H-pyrrol-3-yl]-(9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:331001 CAPLUS
DOCUMENT NUMBER: 122:105530

TITLE: Preparation of distamycin A derivatives as antimalarials

INVENTOR(S): Animati, Fabio; Arcamone, Federico; Lombardi, Paolo; Rossi, Cristina

PATENT ASSIGNEE(S): A. Menarini Industrie Farmaceutiche Riunite S.r.l., Italy; Bristol-Myers Squibb S.p.A.

SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9425436	A1	19941110	WO 1994-EP1235	19940421
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KP, KR, KZ, LK, LV, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TT, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2161552	AA	19941110	CA 1994-2161552	19940421
AU 9466463	A1	19941121	AU 1994-66463	19940421
BR 9406509	A	19960109	BR 1994-6509	19940421
EP 698011	A1	19960228	EP 1994-915076	19940421
R: CH, DE, ES, FR, GB, LI				
CN 1125437	A	19960626	CN 1994-192517	19940421
US 5670534	A	19970923	US 1996-549737	19960216
PRIORITY APPLN. INFO.:			IT 1993-FI83 A	19930426
			WO 1994-EP1235 W	19940421

OTHER SOURCE(S): MARPAT 122:105530

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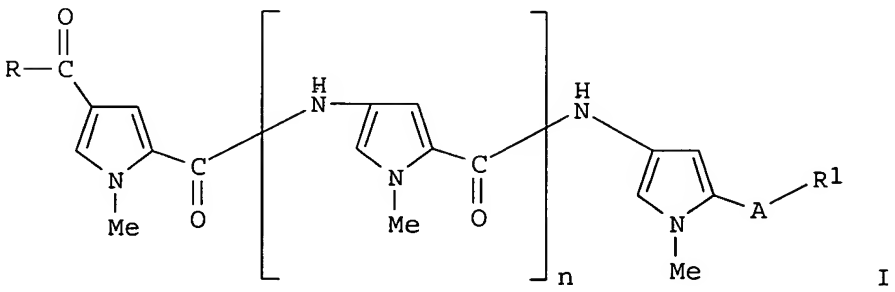


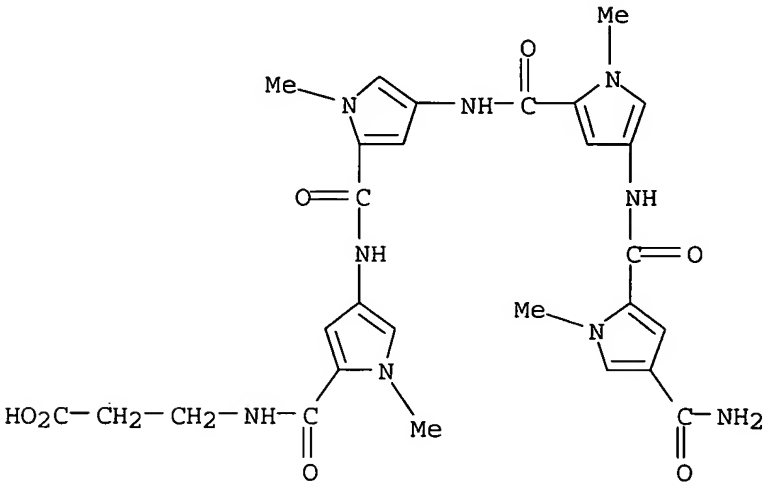
I

AB Title compds. I (n = 0-4; R = H, R2O, R3R4N wherein R2 = H, C1-4 alkyl, cycloalkyl, arylalkyl, aromatic, R3, R4 = H, alkyl, cycloalkyl, aromatic, arylalkyl, , etc.; R3R4 (CH2)2O(CH2)2, (CH2)2NH(CH2)2; A = bond, CONHZ wherein Z = alkylene, aromatic; R1 = R5O2C, R7R6N, H2NC:NH wherein R5 = H, alkyl, cycloalkyl, aromatic arylalkyl, steroid residue, B = bond, CO, R6, R7 = H, alkyl, cycloalkyl, etc.) and a salt thereof, useful as antimalarials (no data), are prepared 1-Methyl-4-carboxyamidopyrrole-2-carboxylic acid and carbonyldiimidazole in DMF were stirred at 40° for 2 h, to which was added N-deformyldistamycin in DMF to give I (n = 2, R = H2N, A = H2CCH2NHCO, R1 = H2NC:NH).HCl. I are claimed as pharmaceutical compns. an antiparasitic agents (no data for either one).

IT **160664-49-3P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of distamycin A derivs. as antimalarials)

RN 160664-49-3 CAPLUS

CN β-Alanine, N-[[4-[[[4-[[[4-[[[4-(aminocarbonyl)-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L10 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:700757 CAPLUS
DOCUMENT NUMBER: 121:300757
TITLE: Preparation of distamycin analogs with antitumor and antiviral activities
INVENTOR(S): Animati, Fabio; Lombardi, Paolo; Rossi, Cristina; Giannini, Giuseppe; Di Pietro, Giovanna; Arcamone, Federico
PATENT ASSIGNEE(S): A. Menarini Industrie Farmaceutiche Riunite S.r.L., Italy; Bristol-Myers Squibb S.p.A.
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9420463	A1	19940915	WO 1994-EP557	19940225
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KP, KR, KZ, LK, LV, MG, MN, MW, NO, NZ, PL, PT, RO, RU, SD, SK, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2157187	AA	19940915	CA 1994-2157187	19940225
AU 9462068	A1	19940926	AU 1994-62068	19940225
EP 690840	A1	19960110	EP 1994-909068	19940225
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08508720	T2	19960917	JP 1994-519534	19940225
PRIORITY APPLN. INFO.:			IT 1993-FI30 A	19930301
			WO 1994-EP557 W	19940225

OTHER SOURCE(S): MARPAT 121:300757
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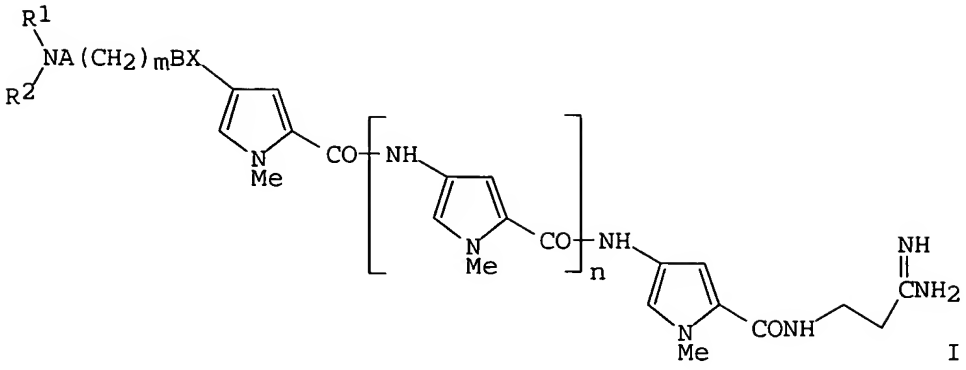


I

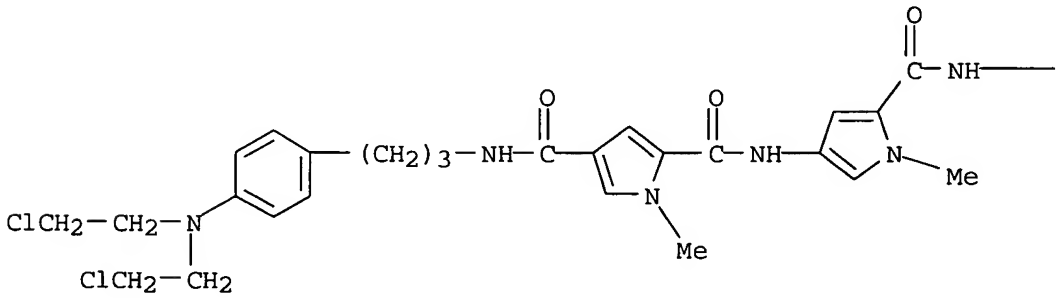
AB The title compds. [I; A = acyclic, aryl, heterocyclyl; B = direct bond, (un)substituted carbonylaminomethyl, (un)substituted methylaminocarbonyl; R1, R2 = (un)substituted C2-4 alkyl, oxiranomethyl, 1-aziridinomethyl; R1 = H and R2 = described above; X = NHCO, CONH; m, n = 0-4], useful as antiviral and antitumor agents (no data), are prepared Thus, 4-[bis(2-chloroethyl)amino]benzenebutanoyl chloride was condensed with 3-[1-methyl-4-[1-methyl-4-[1-methyl-4-(1-methyl-4-aminopyrrole-2-carboxyamido)pyrrol-2-carboxyamido]pyrrol-2-carboxyamido]pyrrol-2-carboxamido]propionamidine hydrochlorate, producing I (A = 1,4-phenylene, B = direct bond, R1 = R2 = 2-chloroethyl, X = CONH, m = 3, n = 2) in 60% yield.

IT **150691-39-7 159269-71-3**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(claimed compound; preparation of distamycin analogs with antitumor and antiviral activities)

RN 150691-39-7 CAPLUS

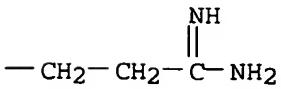
CN 1H-Pyrrole-2,4-dicarboxamide, N2-[5-[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-N4-[3-[4-[bis(2-chloroethyl)amino]phenyl]propyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A



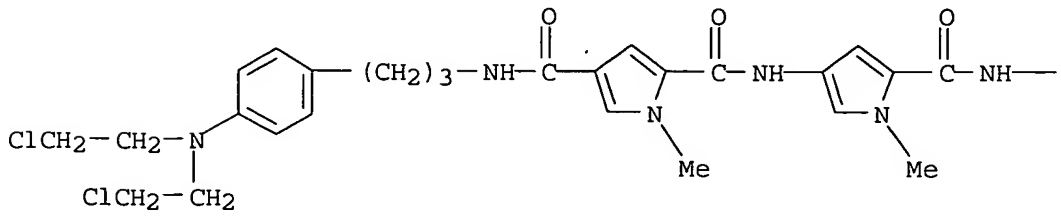
● HCl

PAGE 1-B



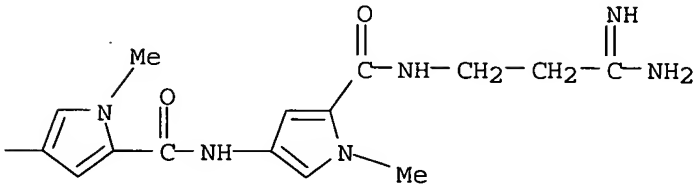
RN 159269-71-3 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-[5-[[[5-[[[5-[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-N4-[3-[4-[bis(2-chloroethyl)amino]phenyl]propyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A



● HCl

PAGE 1-B



L10 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:107751 CAPLUS
DOCUMENT NUMBER: 120:107751
TITLE: Preparation of retroreverse pyrrole-amidino oligopeptide anticancer agent analogues
INVENTOR(S): Arcamone, Federico; Lombardi, Paolo; Animati, Fabio
PATENT ASSIGNEE(S): Menarini, A., Industrie Farmaceutiche Riunite S.r.l., Italy; Bristol-Myers Squibb S.p.A.
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9313739	A2	19930722	WO 1993-EP2	19930104
WO 9313739	A3	19931125		
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
AU 9333478	A1	19930803	AU 1993-33478	19930104
EP 623023	A1	19941109	EP 1993-902141	19930104
R: DE, ES, FR, GB				

PRIORITY APPLN. INFO.: IT 1992-MI21 A 19920110

OTHER SOURCE(S): MARPAT 120:107751

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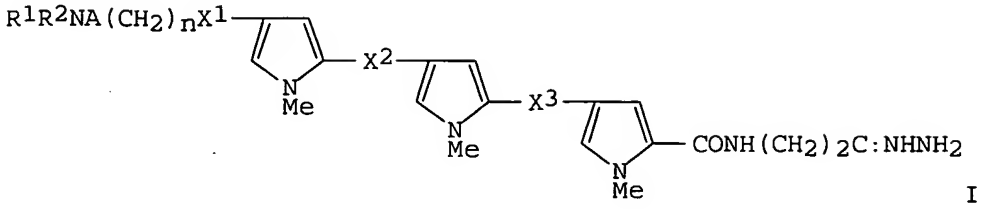


I

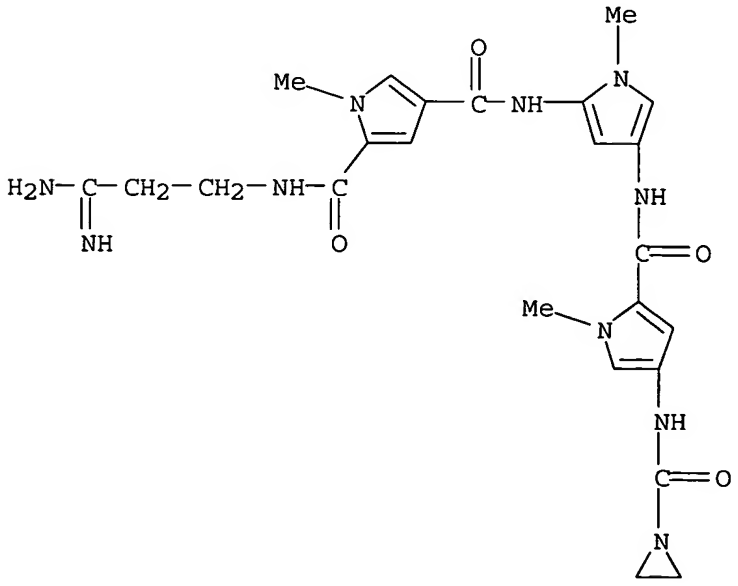
AB Title compds. I (n = 0-6; A = bond, acylyl, aromatic heterocyclyl; X1 = bond, NHCO, CONH; X2, X3 = CONH, NHCO; R1, R2 = oxiranomethyl, 1-aziridinomethyl, (substituted) C2-4 alkyl, C2-4 alkoxyhalo, R4O2SO wherein R4 = C1-4 alkyl, Ph; R1 = H, R2 = R3(CH2)mCO wherein R3 = halo, oxiranyl, methyloxiranyl, aziridinyl, cyclopropyl, (substituted) C2-6 alkenyl, etc.) useful as anticancer and antivirus agents (no data), are prepared 4-(H2N)C6H4N(HOCH2CH2)2 in MeOH was added to a C6H6 solution of 1-methyl-2-carbomethoxy-4-pyrrolecarbonylic acid to give Me 1-methyl-4-[4-[N,N-bis(2-hydroxyethyl)amino]benzeneaminocarbonyl]pyrrole-2-carboxylate which was saponified to the free acid which was converted to bis(2-chloroethyl derivative which in DMF was added to 1-methyl-4-(1-methyl-4-aminopyrrole-2-carboxamido)pyrrole-2-carboxamidopropionamidino-HCl, N-hydroxybenzotriazole, 1,8-bis(dimethylamino)naphthalene and 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide to give the title I (n = 0, A = p-phenylene, X1 = HNCO, X2 = X3 = CONH, R1 = R2 = ClCH2CH2).HCl.

IT **150691-35-3P 150691-39-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as anticancer and antivirus agent)

RN 150691-35-3 CAPLUS

CN 1H-Pyrrole-2,4-dicarboxamide, N2-(3-amino-3-iminopropyl)-N4-[4-[[[4-[(1-aziridinylcarbonyl)amino]-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A

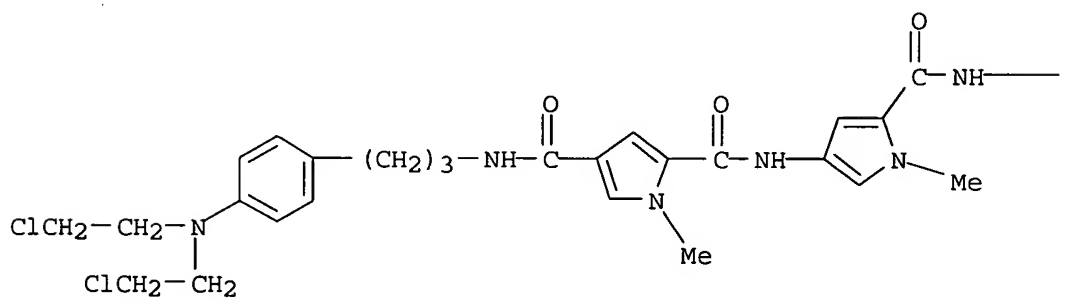


PAGE 2-A

● HCl

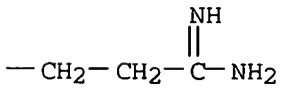
RN 150691-39-7 CAPLUS
CN 1H-Pyrrole-2,4-dicarboxamide, N2-[5-[[(3-amino-3-iminopropyl)amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-N4-[3-[4-[bis(2-chloroethyl)amino]phenyl]propyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A



● HCl

PAGE 1-B



L10 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:530993 CAPLUS
DOCUMENT NUMBER: 117:130993
TITLE: Preparation of distamycin analogs as antiviral antitumor agents
INVENTOR(S): Animati, Fabio; Arcamone, Federico; Lombardi, Paolo; Rossi, Cristina
PATENT ASSIGNEE(S): Menarini, A., Industrie Farmaceutiche Riunite S.r.l., Italy; Bristol-Myers Squibb S.p.A.
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9209574	A2	19920611	WO 1991-EP2220	19911120
WO 9209574	A3	19920806		

W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MC, MG, MN, MW, NO, PL, RO, SD, SU, US
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN,

GR, IT, LU, ML, MR, NL, SE, SN, TD, TG

AU 9189178	A1	19920625	AU 1991-89178		19911120
PRIORITY APPLN. INFO.:			IT 1990-22154	A	19901122
			WO 1991-EP2220	A	19911120

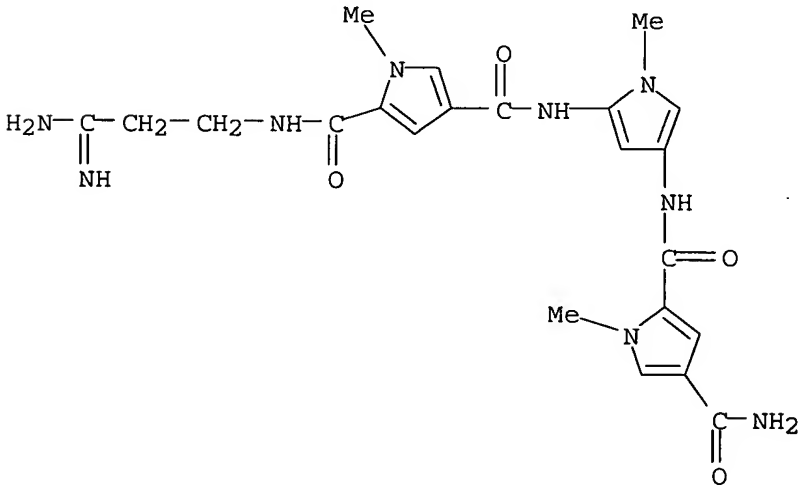
OTHER SOURCE(S): MARPAT 117:130993

AB HX1ZX2ZX3ZCONHCH2CH2C(:NH)NH2 (X1, X2, X3 = CONH or NHCO the case wherein X1 = X2 = X3 = CONH being excluded; Z = 1-methyl-2,4-pyrrolylene throughout) were prepared as antiviral and antitumor agents (no data). Thus, HO2CZCO2Me and O2NZCON3 (preparation each given) were heated with Et3N and the product converted in 3 steps to O2NZNHCOZCONHCH2CH2C(:NH)NH2 which was hydrogenated and the product condensed with HCONHZCO2H (preparation given) to give HCONHZCONHZNHCOZCONHCH2CH2C(:NH)NH2.

IT **143158-59-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antiviral and antitumor agent)

RN 143158-59-2 CAPLUS

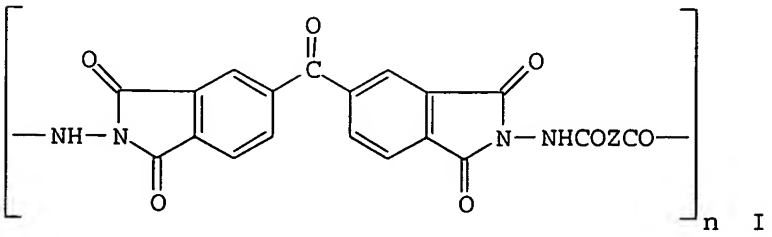
CN 1H-Pyrrole-2,4-dicarboxamide, N4-[4-[[[4-(aminocarbonyl)-1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1-methyl-1H-pyrrol-2-yl]-N2-(3-amino-3-iminopropyl)-1-methyl- (9CI) (CA INDEX NAME)



L10 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	1983:595506 CAPLUS
DOCUMENT NUMBER:	99:195506
TITLE:	Synthesis of certain new poly(amide imide)s
AUTHOR(S):	Sivaraj, Kallur; Nanjan, Moola J.
CORPORATE SOURCE:	Dep. Phys. Chem., Univ. Madras, Madras, 600 025, India
SOURCE:	Makromolekulare Chemie, Rapid Communications (1983), 4(10), 669-73 CODEN: MCRCD4; ISSN: 0173-2803
DOCUMENT TYPE:	Journal
LANGUAGE:	English

GI



AB The polyimides I (Z = CH2CH2, (CH2)7, trans-1,4-cyclohexanediyl, 3,5-dimethyl-2,4-pyrrolediyl) were prepared by polymerizing 4,4'-carbonyldiphthalic anhydride with Z(CONHNH2)2. The polyhydrazic acids remained in solution during polymerization, but after being dried were insol. in polar solvents (e.g. AcNMe2-LiCl). I (Z = CH2CH2, dimethylpyrrolediyl) were slightly more thermally stable than the corresponding polyhydrazic acids, and the polyhydrazic acid with Z = CH2CH2 was more stable than that with Z = (CH2)7; that with Z = cyclohexanediyl was the most stable. The polyhydrazic acids in DTA showed endotherms at 90-140° (loss of adsorbed H2O) and .apprx.280° (cyclization), and exotherms at 400-600° (thermal decomposition, which sometimes took place in 2 stages).

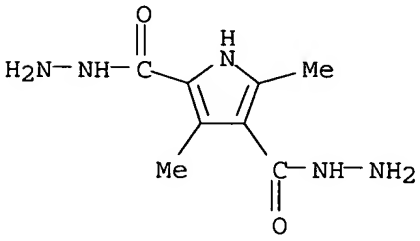
IT **87781-10-0P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and thermal properties of)

RN 87781-10-0 CAPLUS

CN 1H-Pyrrole-2,4-dicarboxylic acid, 3,5-dimethyl-, dihydrazide, polymer with 5,5'-carbonylbis[1,3-isobenzofurandione] (9CI) (CA INDEX NAME)

CM 1

CRN 87781-09-7
CMF C8 H13 N5 O2



CM 2

CRN 2421-28-5
CMF C17 H6 O7